

CLAIMS

1. A radiating member for a laminated cell, covered with a laminate material, which is in contact with a surface of said laminated cell to radiate heat produced by said laminated cell, characterized in that:

5 said radiating member has a plurality of first wall, and a plurality of second flat wall connected to said first wall and arranged substantially at right angles to said first wall, wherein at least one of said second wall is arranged for close contact with a sheathed surface of said laminated cell.

2. The radiating member for a laminated cell according to claim 1, wherein said first wall and said second wall are alternately and continuously formed.

3. The radiating member for a laminated cell according to claim 1 or 2, wherein a lattice-shaped ventilation frame is formed.

4. The radiating member for a laminated cell according to any of claims 1 to 3, made of at least one material selected from a group comprising aluminum, aluminum alloy, copper, silver paste, and stainless steel.

5. The radiating member for a laminated cell according to claim 4, made of a plate material having a thickness of 0.1 mm or less.

6. The radiating member for a laminated cell according to any of claims 1 to 5, made of a single plate material.

7. A battery pack system comprising a battery pack having a plurality of electrically coupled laminated cells each covered with a laminate material, characterized by:

5 having the radiating member for a laminated cell according to any of claims 1 to 6.

8. The battery pack system according to claim 7, formed with a lattice-shaped ventilation frame by said radiating member and said laminated cells.

9. The battery pack system according to claim 7 or 8, wherein a joint, which is a peripheral portion of said laminate material, is bent, and part of said joint is in contact with said metal-made housing.

10. The battery pack system according to any of claims 7 to 9, wherein a joint, which is a peripheral portion of said laminate material, is bent, and part of said joint is in contact with said radiating member.

11. The battery pack system according to any of claims 7 to 9, wherein a joint, which is a peripheral portion of said laminate material, is bent to have a bending height which does not exceeds the thickness of said laminated cell, and placed in a housing.

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12. A method of manufacturing a radiating member for a laminated cell, which is in contact with a surface of said laminated cell covered with a

laminate material for radiating heat generated by said laminated cell,
characterized by having:

- 5 a step of providing a metal-made plate member having a rectangular-wave shape in cross-section, said plate member having a first wall, a second flat wall connected to one end side of said first wall and arranged substantially at right angles to said first wall, and a third flat wall connected to the other end side of said first wall and arranged substantially at right angles to said first wall;
- 10 a cutting step of cutting said first wall and said second wall, without cutting said third wall, at a predetermined cutting position in a longitudinal direction of said first wall, said second wall, and said third wall; and
- 15 a bending step of bending said third wall, which is not cut in said cutting step at the cutting position, until said third wall opposes each other.

13. The method of manufacturing a radiating member according to claim 12, wherein said first and said second wall are cut in a direction normal to said first and second wall in said cutting step.